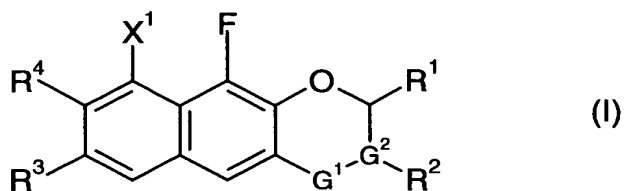


Abstract

Fluorinated oxaanthracenes and their use in liquid-crystal mixtures

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Compounds of the formula (I)



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where:

 X^1 is H or F G^1-G^2 is $-CH_2-CH-$ or $CH=C-$ 15 R^1, R^2 are

a) H

b) the $M^2-A^2-R^5$ moiety

c) for example, a straight-chain or branched alkyl radical having from 1 to 16 carbon atoms

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 R^3 and R^4 are each, for example, H, the $M^2-A^2-R^5$ moiety or a straight-chain or branched alkyl or alkyloxy radical having from 1 to 16 carbon atoms A^2 is, for example, 1,4-phenylene,

25 with the provisos that

a) when R^2 is not H, R^1 and R^3 have to be H,b) when R^2 is H, R^4 must not have the definitions c) or d),c) R^1, R^2, R^3 and R^4 must not at the same time be H.